

- 21- 38 VAC / 26-50 VDC input range
- 24 VDC @ 250 mA output at maximum input voltage of 26 VAC/32VDC and up to 60 C. Please see specification section for more details.
- Allows use of DC powered devices in low voltage AC systems as well as step down of higher voltage DC supplies up to 50VDC.
- Low output noise
- Wide operating temperature range of -20 to 60 C operation
- Input voltage is fused on both input lines with transient voltage suppression
- Output is short circuit protected, fused and with additional transient voltage protection.
- DC power present diagnostic LED
- Compact DIN Rail mount enclosure that is only 36 mm (1.42") W x 90 mm (3.54") L x 58 mm (2.28") H.
- Removable terminal blocks
- Low Cost



DESCRIPTION

The Model 24 is a low voltage AC to DC linear power supply. It allows use of low power 24 VDC devices and sensors from AC power sources up to 38 VAC and DC power sources up to 50 VDC. The supply is housed in a compact DIN rail enclosure with removable terminal blocks. At a maximum input voltage of 26VAC or 32VDC, it will supply up to 250 mA at an operating temperature of up to 60C. See specification section for other output current specification at different input voltage levels

The input has transient voltage protection and thermally fused on both input lines for safety. The output has additional transient protection with short circuit, thermal over temperature protection as well as a thermal fuse. Thermal fuses do not need to be replaced and will reset when fault condition is removed. This provides protection to the unit under most fault conditions.

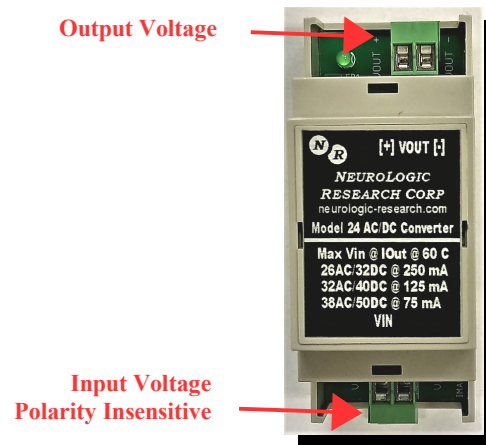
Please contact the factory for other AC input or DC output voltage ranges.

WIRING AND INSTALLATION

The Model 24 is supplied in a compact DIN rail enclosure that attaches directly to a 35 mm DIN Rail.

The input voltage is attached via a two position removable terminal block at the lower end of the enclosure. The input voltage voltage is not polarity sensitive.

The output voltage is available via a two position removable terminal block at the upper end of the enclosure.



SPECIFICATION**General**

Operating Temperature	-20 – 60° C
Operating Humidity	0-95% Relative Humidity non-condensing
Input Voltage Range	21 – 38 VAC 26 – 50 VDC
Output Voltage	24 VDC +/- 3%
Maximum Output current vs Maximum Input Voltage at 60 C	250 mA at 26 VAC / 32 VDC 125 mA at 32 VAC / 40 VDC 75 mA at 38 VAC / 50 VDC
Wiring Connection	Two removable terminal blocks on a 5.0 mm pitch. Accepts stranded or solid wires between 26 and 14 AWG. Terminal block can be plugged vertically or horizontally.

Dimension and Materials

External Dimension	36 mm (1.8") W x 90 mm (3.54") L x 58 mm (2.28") H
Enclosure Type	DIN rail mount to 35 mm rail
Enclosure Material	Grey frame retardant Noryl UL94 V0

ORDERING INFORMATION

0024-24-24-025	Model 24 Low Voltage AC/DC Power Supply. 24 VAC Input nominal. 24 VDC output at 250 mA. Please contact the factory for other AC input or DC output voltage ranges.
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